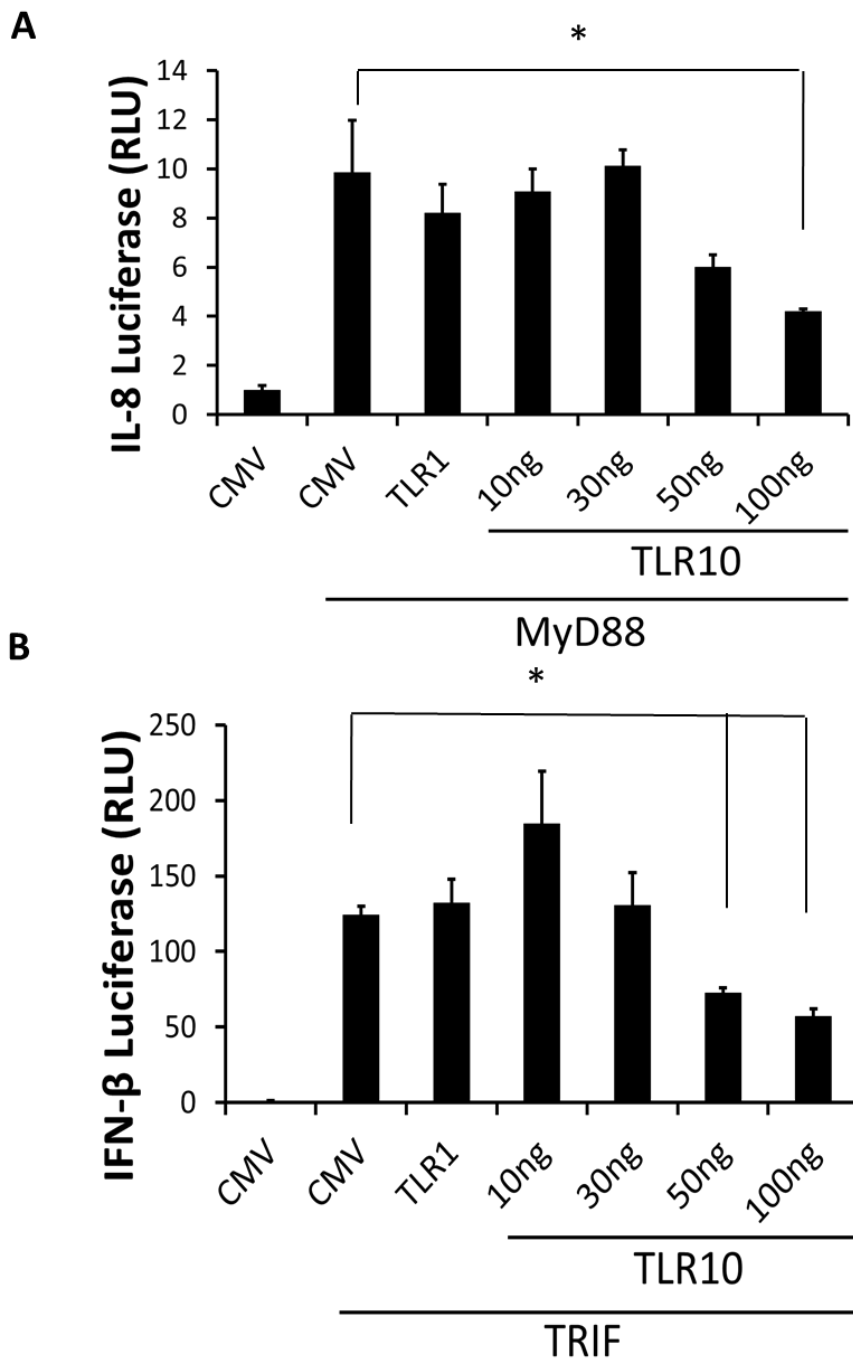
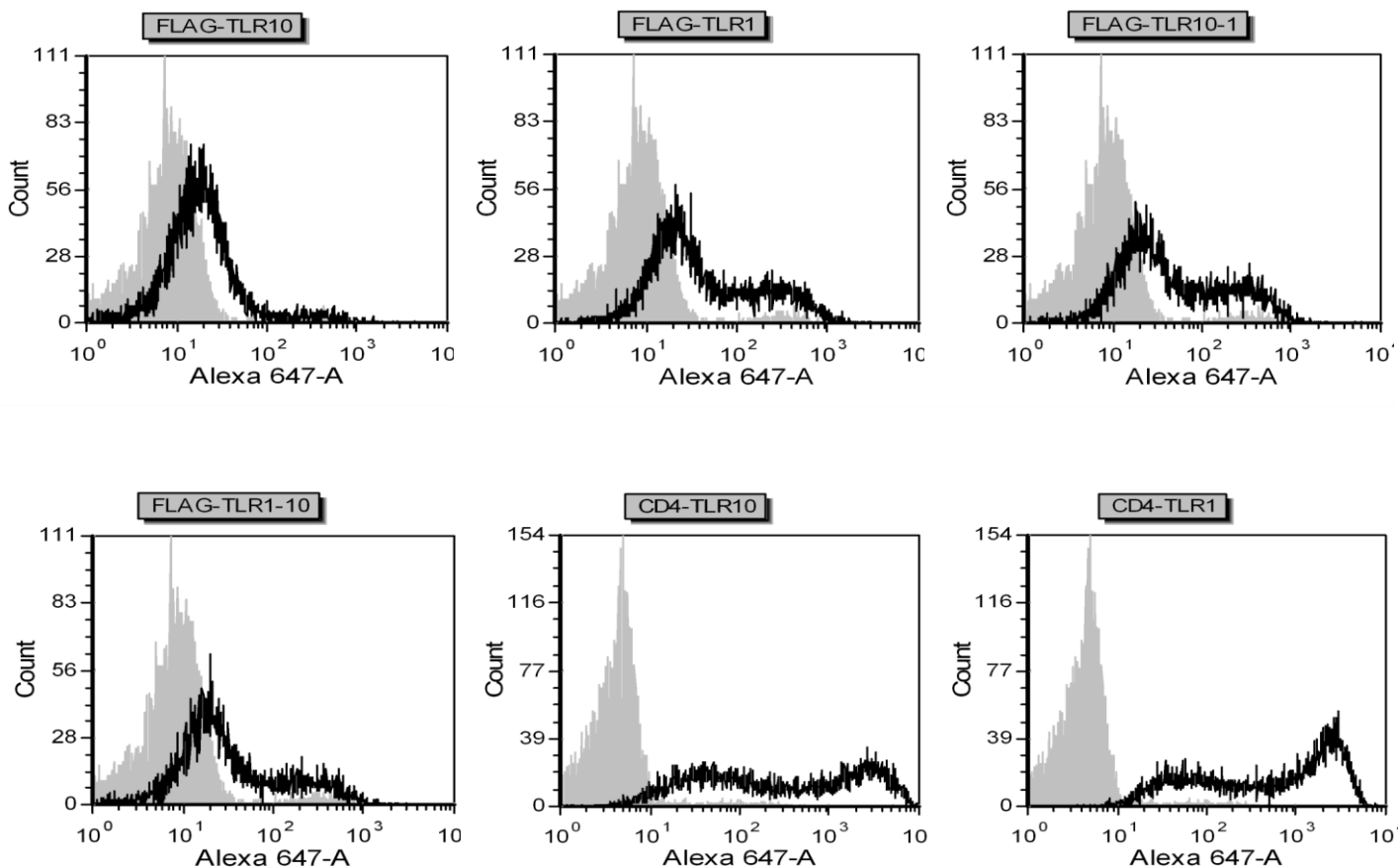


Gene	Fold Change
<b>IL6</b>	-11.65
PELI1	-6.42
TLR3	-5.97
IL1A	-5.88
TLR8	-3.33
LY96	-2.91
<b>IFNB1</b>	-2.70
<b>IL10</b>	-2.34
CD14	-2.31
CXCL10	-2.26
TNF	-2.08
MAP3K1	2.93
TLR9	3.98
<i>HPRT1</i>	-1.52
<i>RPL13A</i>	-1.07
<i>GAPDH</i>	1.03
<i>ACTB</i>	1.23
<i>B2M</i>	1.29

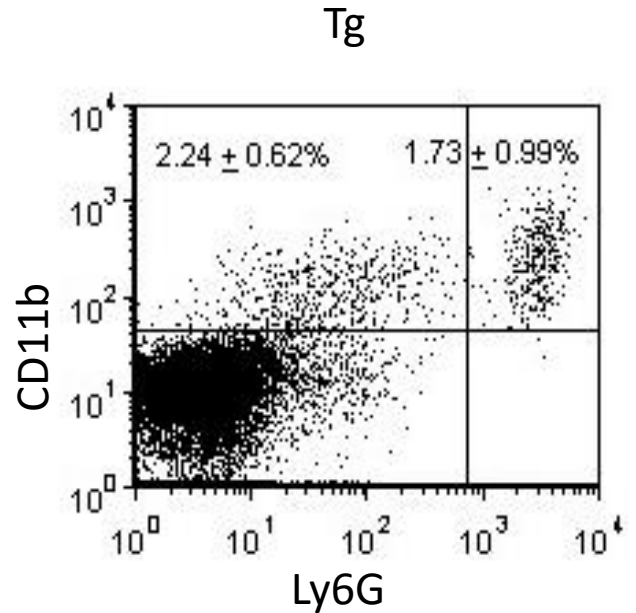
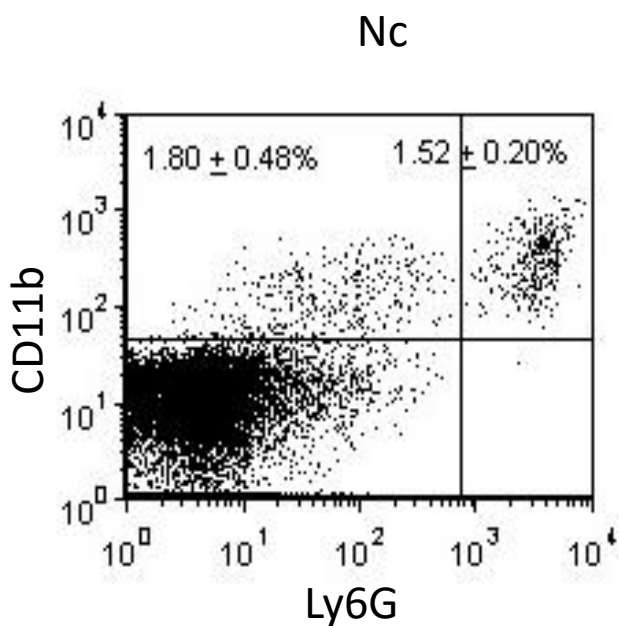
**Suppl. Table 1. Down-regulated genes in stably transfected TLR10-U937 cells.** TLR10-U937 and MMLV-U937 control cells were differentiated for 48 h in PMA and stimulated with 50 ng/ml PAM<sub>3</sub>CSK<sub>4</sub> for 4 h. RNA was isolated and analyzed by real-time PCR for message levels of selected of inflammatory genes. Data represent a subset of the 84 genes tested in the array that, after normalization to house-keeping genes (last 5 rows, italicized), showed greater than 2-fold difference between TLR10 and MMLV control cells. Genes of interest are bolded.



**Suppl. Figure 1. Dose-Dependent Suppression of MyD88 and TRIF Signaling by TLR10.** HEK293T cells were co-transfected with varying concentrations of TLR10 and either (A) MyD88 and an IL-8 promoter-driven luciferase construct or (B) TRIF and an IFN- $\beta$ -driven luciferase reporter construct. Results indicate fold induction of luciferase over empty vector after normalizing each sample for transfection efficiency using *Renilla* luciferase. Error bars represent the standard deviation of three independent samples and statistical analysis was performed using two-tailed paired Student's t test. \*  $p < 0.05$



**Suppl. Figure 2. Cell Surface Expression of TLR Constructs.** HEK293T cells were transfected with the indicated FLAG-TLR or CD4-TLR construct and stained with either an anti-FLAG or anti-CD4 antibody. FLAG-TLR and CD4-TLR constructs (black line) show surface expression of each construct compared to MMLV control cells (gray histogram). Cells were gated based upon forward and side scatter characteristics.



**Suppl. Figure 3. Whole Blood Monocyte and Neutrophil Populations of TLR10 and Non-Transgenic Mice are Indistinguishable.** Monocyte (CD11b<sup>+</sup> and Ly6G<sup>-</sup>) and neutrophil (CD11b<sup>+</sup>, Ly6G<sup>+</sup>) populations from TLR10 transgenic (tg) and non-transgenic control mice (nc) were assayed by flow cytometry. A representative dot blot from each mouse is shown with averages and standard deviations derived from 6 transgenic mice and 6 non-transgenic mice. Dot plot represents ungated cell populations.